A Sysmex Group Company

CytoCell

Instructions For Use (IFU)

REF: CE-LPH 039-S / CE-LPH 039

CKS1B/CDKN2C (P18) Amplification/Deletion Probe

CE IVD
2797

UK CA

PROFESSIONAL USE ONLY

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Intended Purpose

The CytoCell® CKS1B/CDKN2C (P18) Amplification/Deletion Probe is a qualitative, non-automated, fluorescence *in situ* hybridisation (FISH) test used to detect chromosomal gains and deletions in the 1p32.3 and 1q21 regions on chromosome 1 in Carnoy's solution (3:1 methanol/acetic acid) fixed haematologically-derived cell suspensions from patients with confirmed or suspected multiple myeloma (MM).

Indications for use

This device is designed as an adjunct to other clinical and histopathological tests in recognised diagnostic and clinical care pathways, where knowledge of *CKS1B* or *CDKN2C (P18)* status would be important for clinical management.

Limitations

This device is designed to detect genomic gains or losses larger than the region covered by the red and green clones in this probe set, which include the *CKS1B* and *CDKN2C (P18)* regions. Genomic gains or losses outside these regions or partial gains or losses of this region may not be detected with this device.
This device is not intended for: use as a stand-alone diagnostic, use as a companion diagnostic, prenatal testing, population-based screening, near-patient testing, or self-testing.
This device has not been validated for sample types, disease types, or purposes outside of those stated in the intended purpose.
It is intended as an adjunct to other diagnostic laboratory tests and therapeutic action should not be initiated on the basis of the FISH result alone.
Reporting and interpretation of FISH results should be performed by suitably qualified staff, consistent with professional standards of practice, and should take into consideration other relevant test results, clinical and diagnostic information.
This device is intended for laboratory professional use only.
Failure to adhere to the protocol may affect the performance and lead to false positive/negative results.

Principles of the Test

Fluorescence *in situ* hybridisation (FISH) is a technique that allows DNA sequences to be detected on metaphase chromosomes or in interphase nuclei from fixed cytogenetic samples. The technique uses DNA probes that hybridise to entire chromosomes or single unique sequences, and serves as a powerful adjunct to G-banded cytogenetic analysis. This technique can now be applied as an essential investigative tool within prenatal, haematological and solid tumour chromosomal analysis. Target DNA, after fixation and denaturation, is available for annealing to a similarly denatured, fluorescently labelled DNA probe, which has a complementary sequence. Following hybridisation, unbound and non-specifically bound DNA probe is removed and the DNA is counterstained for visualisation. Fluorescence microscopy then allows the visualisation of the hybridised probe on the target material.

Probe Information

The *CKS1B* (*CDC28 protein kinase regulatory subunit 1B*) gene is located at 1q21 and the *CDKN2C* (*cyclin depended kinase inhibitor 2C*) gene is located at 1p32.3.

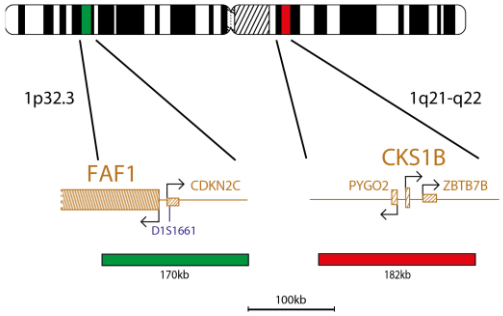
Gain of the 1q21 region including *CKS1B* is one of the most frequently-occurring chromosomal aberrations seen in multiple myeloma[1]. Over-expression of the *CKS1B* gene up-regulates cell cycle progression, resulting in a more proliferative disease[2]. This is related to the advanced phenotype of multiple myeloma and may therefore be associated with poor prognosis and disease progression[1,2,3]. Gain of 1q21 has been linked to inferior survival and further amplification is observed in disease relapse. Complete gains of the long arm of chromosome 1 are also common in multiple myeloma and can occur as isochromosomes, duplications or jumping translocations and are frequently associated with disease progression[4].

CDKN2C is a tumour suppressor gene responsible for inducing apoptotic cell death and DNA fragmentation[5]. It is up-regulated by the expression of the cytokine IL-6 in multiple myeloma and homozygous deletion of the gene is associated with a more proliferative disease[5]. Although *CDKN2C* deletions have been reported to be rare in human malignancy, cytogenetic analyses have shown that abnormalities of 1p32-36 occur in around 16% of human multiple myeloma and are associated with worse overall survival[2,3,5,6].

Cytogenetic abnormalities are detected by conventional cytogenetics in about one third of cases of multiple myeloma, but FISH increases the proportion of detected chromosomal abnormalities to >90%[7].

Probe Specification

CKS1B, 1q21-q22, Red
CDKN2C *(P18),* 1p32.3, Green



The CKS1B/CDKN2C product consists of a 182kb probe, labelled in red, covering the entire *CKS1B* gene and flanking regions, including the *PYGO2* and *ZBTB7B* genes, and a green probe covering a 170kb region, including the entire *CDKN2C* gene, the D1S1661 marker and the centromeric end of the *FAF1* gene.

Materials Provided

Probe: 50µl per vial (5 tests) or 100µl per vial (10 tests)
The probes are provided premixed in hybridisation solution (<65% formamide; <20 mg dextran sulfate; < 10% of 20X saline-sodium citrate (SSC)) and are ready to use.

Counterstain: 150µl per vial (15 tests)
The counterstain is DAPI Antifade ES (0.125µg/ml DAPI (4,6-diamidino-2-phenylindole) in glycerol-based mounting medium).

Warnings and Precautions

1. For *in vitro* diagnostic use. For laboratory professional use only.
2. Probe mixtures contain formamide, which is a teratogen; do not breathe fumes or allow skin contact. Handle with care; wear gloves and a lab coat.
3. Handle DAPI with care; wear gloves and a lab coat.
4. Do not use if the vial(s) are damaged, or the vial contents are compromised in any way.
5. Follow local disposal regulations for your location along with recommendations in the Safety Data Sheet to determine the safe disposal of this product. This also applies to damaged test kit contents.
6. Dispose of all used reagents and any other contaminated disposable materials following procedures for infectious or potentially infectious waste. It is the responsibility of each laboratory to handle solid and liquid waste according to their nature and degree of hazardousness and to treat and dispose of them (or have them treated and disposed of) in accordance with any applicable regulations.
7. Operators must be capable of distinguishing the colours red, blue, and green.
8. Failure to adhere to the outlined protocol and reagents may affect the performance and lead to false positive/negative results.
9. The probe should not be diluted or mixed with other probes.
10. Failure to use 10µl of probe during the pre-denaturation stage of the protocol may affect the performance and lead to false positive/negative results.
11. All products should be validated before use.
12. Internal controls should be carried out by using unaffected cell populations in testing samples.

Temperature Definitions

- -20°C / Frozen / In the Freezer: -25°C to -15°C
- 37°C: +37°C ± 1°C
- 72°C: +72°C ± 1°C
- 75°C: +75°C ± 1°C
- Room Temperature (RT): +15°C to +25°C

Storage and Handling

The kit should be stored between -25ºC to -15ºC in a freezer until the expiry date indicated on the kit label. The probe and counterstain vials must be stored in the dark.

The FISH probe, DAPI Antifade ES counterstain, and Hybridisation Solution remain stable throughout the freeze-thaw cycles experienced during normal use (where one cycle constitutes the vial's removal from and replacement into the freezer) – 5 cycles for the 50µl (5 tests) vial of FISH probe, 10 cycles for the 100µl (10 tests) vial of FISH probe, and 15 cycles for the 150µl (15 tests) vial of counterstain. Exposure to light should be minimised and avoided wherever possible. Store components in the light proof container provided. Components used and stored under conditions other than those stated on the labelling may not perform as expected and may adversely affect the assay results. All efforts must be made to limit exposure to light and temperature changes.

Equipment and Materials Necessary but not Supplied

Calibrated equipment must be used:

1. Hotplate (with a solid plate and accurate temperature control up to 80ºC)
2. Calibrated variable volume micropipettes and tips range 1µl - 200µl
3. Water bath with accurate temperature control at 37ºC and 72ºC
4. Microcentrifuge tubes (0.5ml)
5. Fluorescence microscope (Please see Fluorescence Microscope Recommendation section)
6. Phase contrast microscope
7. Clean plastic, ceramic or heat-resistant glass Coplin jars
8. Forceps
9. Calibrated pH meter (or pH indicator strips capable of measuring pH 6.5 – 8.0)
10. Humidified container
11. Fluorescence grade microscope lens immersion oil
12. Bench top centrifuge
13. Microscope slides
14. 24x24mm coverslips
15. Timer
16. 37ºC incubator
17. Rubber solution glue
18. Vortex mixer
19. Graduated cylinders
20. Magnetic stirrer
21. Calibrated thermometer

Optional Equipment not Supplied

1. Cytogenetic drying chamber

Reagents Needed but not Supplied

1. 20x saline-sodium citrate (SSC) Solution
2. 100% Ethanol
3. Tween-20
4. 1M Sodium hydroxide (NaOH)
5. 1M Hydrochloric acid (HCl)
6. Purified water

Fluorescence Microscope Recommendation

Use a 100-watt mercury lamp or equivalent and oil immersion plan apochromat objectives 60/63x or 100x for optimal visualisation. The fluorophores used in this probe set will excite and emit at the following wavelengths:

Fluorophore	$Excitation_{max}$ [nm]	$Emission_{max}$ [nm]
Green	495	521
Red	596	615

Ensure appropriate excitation and emission filters that cover the wavelengths listed above are fitted to the microscope. Use a triple bandpass DAPI/green spectrum/red spectrum filter or a dual bandpass green spectrum/red spectrum filter for optimal simultaneous visualisation of the green and red fluorophores.

Check the fluorescence microscope before use to ensure it is operating correctly. Use immersion oil that is suitable for fluorescence microscopy and formulated for low auto fluorescence. Avoid mixing DAPI antifade with microscope immersion oil as this will obscure signals. Follow manufacturers' recommendations in regards to the life of the lamp and the age of the filters.

Sample Preparation

The kit is designed for use on Carnoy's solution (3:1 methanol/acetic acid) fixed haematologically-derived cell suspensions, that are prepared according to the laboratory or institution guidelines. Prepare air dried samples on microscope slides according to standard cytogenetic procedures. The AGT *Cytogenetics Laboratory Manual* contains recommendations for specimen collection, culturing, harvesting and for slide making[8].

Solution Preparation

Ethanol Solutions

Dilute 100% ethanol with purified water using the following ratios and mix thoroughly:

- 70% Ethanol - 7 parts 100% ethanol to 3 parts purified water
- 85% Ethanol - 8.5 parts 100% ethanol to 1.5 parts purified water

Store the solutions for up to 6 months at room temperature in an airtight container.

2xSSC Solution

Dilute 1 part 20xSSC Solution with 9 parts purified water and mix thoroughly. Check pH and adjust to pH 7.0 using NaOH or HCl as required. Store the solution for up to 4 weeks at room temperature in an airtight container.

0.4xSSC Solution

Dilute 1 part 20xSSC Solution with 49 parts purified water and mix thoroughly. Check pH and adjust to pH 7.0 using NaOH or HCl as required. Store the solution for up to 4 weeks at room temperature in an airtight container.

2xSSC, 0.05% Tween-20 Solution

Dilute 1 part 20xSSC Solution with 9 parts purified water. Add 5µl of Tween-20 per 10ml and mix thoroughly. Check pH and adjust to pH 7.0 using NaOH or HCl as required. Store the solution for up to 4 weeks at room temperature in an airtight container.

FISH Protocol

(Note: Ensure that exposure of the probe and counterstain to laboratory lights is limited at all times).

Slide Preparation

1. Spot the cell sample onto a glass microscope slide. Allow to dry. (**Optional, if using a cytogenetic drying chamber**: The chamber should be operated at approximately 25°C and 50% humidity for optimal cell sample spotting. If a cytogenetic drying chamber is not available, use a fume hood as an alternative).
2. Immerse the slide in 2xSSC for 2 minutes at room temperature (RT) without agitation.
3. Dehydrate in an ethanol series (70%, 85% and 100%), each for 2 minutes at RT.
4. Allow to dry.

Pre-Denaturation

5. Remove the probe from the freezer and allow it to warm to RT. Briefly centrifuge tubes before use.
6. Ensure that the probe solution is uniformly mixed with a pipette.
7. Remove 10µl of probe per test, and transfer it to a microcentrifuge tube. Quickly return the remaining probe to the freezer.
8. Place the probe and the sample slide to prewarm on a 37ºC (+/- 1ºC) hotplate for 5 minutes.
9. Spot 10µl of probe mixture onto the cell sample and carefully apply a coverslip. Seal with rubber solution glue and allow the glue to dry completely.

Denaturation

10. Denature the sample and probe simultaneously by heating the slide on a hotplate at 75ºC (+/- 1ºC) for 2 minutes.

Hybridisation

11. Place the slide in a humid, lightproof container at 37ºC (+/- 1ºC) overnight.

Post-Hybridisation Washes

12. Remove the DAPI from the freezer and allow it to warm to RT.
13. Remove the coverslip and all traces of glue carefully.
14. Immerse the slide in 0.4xSSC (pH 7.0) at 72ºC (+/- 1ºC) for 2 minutes without agitation.
15. Drain the slide and immerse it in 2xSSC, 0.05% Tween-20 at RT (pH 7.0) for 30 seconds without agitation.
16. Drain the slide and apply 10µl of DAPI antifade onto each sample.
17. Cover with a coverslip, remove any bubbles and allow the colour to develop in the dark for 10 minutes.
18. View with a fluorescence microscope (see **Fluorescence Microscope Recommendation**).

Procedural Recommendations

1. Baking or ageing of slides may reduce signal fluorescence.
2. Hybridisation conditions may be adversely affected by the use of reagents other than those provided or recommended by Cytocell Ltd.
3. Use a calibrated thermometer for measuring temperatures of solutions, water baths and incubators as these temperatures are critical for optimum product performance.
4. The wash concentrations, pH and temperatures are important as low stringency can result in non-specific binding of the probe and too high stringency can result in a lack of signal.
5. Incomplete denaturation can result in lack of signal and over denaturation can also result in non-specific binding.
6. Over hybridisation can result in additional or unexpected signals.
7. Users should optimise the protocol for their own samples prior to using the test for diagnostic purposes.
8. Suboptimal conditions may result in non-specific binding that may be misinterpreted as a probe signal.

Interpretation of Results

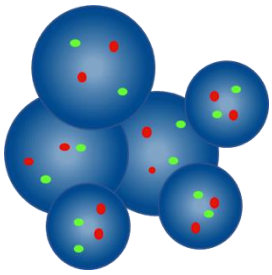
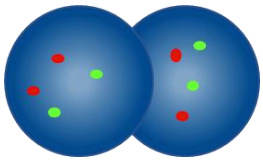
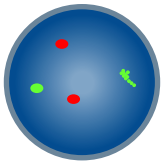
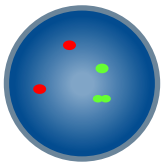
Assessing Slide Quality

The slide should not be analysed if:

- Signals are too weak to analyse in single filters - in order to proceed with analysis, signals should appear bright, distinct and easily evaluable
- There are high numbers of clumped/overlapping cells obstructing the analysis
- >50% of the cells are not hybridised
- There is excess of fluorescent particles between cells and/or a fluorescent haze that interferes with the signals - in optimal slides the background should appear dark or black and clean
- Cell nucleus borders cannot be distinguished and are not intact

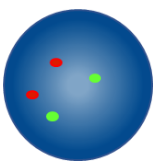
Analysis Guidelines

- Two analysts should analyse and interpret each sample. Any discrepancies should be resolved by assessment by a third analyst
- Each analyst should be suitably qualified according to recognised national standards
- Each analyst should score independently 100 nuclei for each sample. The first analyst should start the analysis from the left side of the slide and the second analyst from the right one
- Each analyst should document their results in separate sheets
- Analyse only intact nuclei, not overlapped or crowded nuclei or nuclei covered by cytoplasmic debris or high degree of autofluorescence
- Avoid areas where there is excess of cytoplasmic debris or non-specific hybridisation
- Signal intensity may vary, even with a single nucleus. In such cases, use single filters and/or adjust the focal plane
- In suboptimal conditions signals may appear diffuse. If two signals of the same colour touch each other, or the distance between them is no greater than two signal widths, or when there is a faint strand connecting the two signals, count as one signal
- When analysing dual-colour breakapart probes, if there is a gap between the red and green signal no greater than 2 signals width apart, count as not rearranged/fused signal
- When analysing three-colour breakapart probes, if there is a gap between any of the 3 signals (red, green, blue) no greater than 2 signals width apart, count as not rearranged/fused signal
- If in doubt about whether a cell is analysable or not, then do not analyse it

Analysis Guidelines	
	Do not count – nuclei are too close together to determine boundaries
	Do not count overlapping nuclei – all areas of both nuclei are not visible
	Count as two controls signals – one of the two green signals is diffuse
	Count as two control signals – the gap in one green signal is less than two signal widths

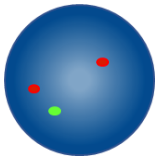
Expected Results

Expected Normal Signal Pattern

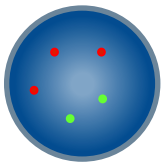


In a normal cell, two red and two green signals (2R2G) are expected.

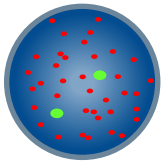
Expected Abnormal Signal Patterns



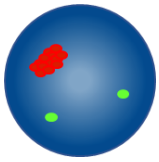
In a cell with a deletion of 1p32.3, the expected signal pattern will be two red and one green signal (2R1G).



In a cell with gain of the 1q21 locus, two green and three or more red signals are expected (3+R2G).



In a cell with an amplification of the 1q21 locus, this can be observed as a large number of small red signals spread throughout the cytoplasm along with two green control signals (ampR2G).



In a cell with an amplification of the 1q21 locus resulting in a homogeneously staining region, a large number of red signals will be observed along the lengthened and expanded chromosomal segment along with two green control signals (ampR2G).

Other signal patterns are possible in aneuploid/unbalanced specimens.

Known Relevant Interferences / Interfering Substances

No known relevant interferences / interfering substances.

Known Cross-Reactivity

No known cross-reactivity

Serious Incident Reporting

For a patient/user/third party in the European Union and in countries with identical regulatory regime (Regulation (EU) 2017/746 on *In vitro* Diagnostic Medical Devices); if, during the use of this device or as a result of its use, a serious incident has occurred, please report it to the Manufacturer and to your National Competent Authority.

For serious incidents in other countries, please report it to the Manufacturer and, if applicable, to your National Competent Authority.

Manufacturer vigilance contact: vigilance@ogt.com

For EU National Competent Authorities, a list of vigilance contact points can be found at:

https://health.ec.europa.eu/medical-devices-sector/new-regulations/contacts_en

Specific Performance Characteristics

Analytical Specificity

Analytical specificity is defined as the percentage of signals that hybridise to the correct locus and no other location. Four chromosomal loci in each of 20 metaphase cells from five samples were analysed, giving 400 data points. The location of each hybridised probe was mapped and the number of metaphase chromosome FISH signals that hybridised to the correct locus was recorded.

The analytical specificity of each probe in the kit was calculated as the number of metaphase chromosome FISH signals hybridised to the correct locus divided by the total number of metaphase chromosome FISH signals hybridised, this result was multiplied by 100, expressed as a percentage and given with a 95% confidence interval.

Table 1. Analytical Specificity for the CKS1B/CDKN2C (P18) Amplification/Deletion Probe

Target	Number of metaphase chromosomes hybridised	Number of correctly hybridised loci	Analytical Specificity	95% Confidence Interval
1q21	200	200	100%	98.12% - 100%
1p32.3	200	200	100%	98.12% - 100%

Analytical Sensitivity

Analytical sensitivity is the percentage of scoreable interphase cells with the expected normal signal pattern. A minimum of 100 interphase cells were analysed for each of 25 fixed cell suspensions from bone marrow and 25 fixed cell suspensions from CD138+ plasma cells that were deemed negative for a *CKS1B* gain/amplification or a *CDKN2C* deletion, resulting in a minimum of 2500 nuclei scored for each sample type. The sensitivity data was analysed based on the percentage of cells showing a normal expected signal pattern and expressed as a percentage with a 95% confidence interval.

Table 2. Analytical Sensitivity for the CKS1B/CDKN2C (P18) Amplification/Deletion Probe

Sample Type	Sensitivity Criteria	Sensitivity Result
Bone Marrow	>95%	98.68% (97.87% - 99.49%)
CD138+	>95%	95.95% (94.96% - 96.94%)

Characterisation of Normal Cut-off Values

The normal cut-off is defined as the percentage of cells exhibiting a false positive signal pattern at which an individual would be considered normal and not consistent with a clinical diagnosis. A minimum of 100 interphase cells were analysed for each of 25 fixed cell suspensions from bone marrow and 25 fixed cell suspensions from CD138+ that were deemed negative for a *CKS1B* gain/amplification or a *CDKN2C* deletion, resulting in a minimum of 2500 nuclei scored for each sample type.

The cut-off value was determined using the β-inverse (BETAINV) function in MS Excel. It was calculated as the percentage of interphase cells showing a false positive signal pattern using the upper bound of a one-sided 95% confidence interval of the binomial distribution in a normal patient sample.

Table 3. Characterisation of Normal Cut-off Values for the CKS1B/CDKN2C (P18) Amplification/Deletion Probe

Sample Type	Cut-off Result 3R2G	Cut-off Result 2R1G
Bone Marrow	5.93%	5.71%
CD138+	9.24%	10.21%

Laboratories must verify cut-off values using their own data[9,10].

Precision

The precision of this product has been measured in terms of intra-day precision (sample-to-sample), inter-day precision (day-to-day) and single-site inter-lot precision (lot-to-lot).

Three (3) samples were used to assess the precision of this product: 1 normal CD138+ sample, 1 CD138+ Low Positive for 2R1G (-*CDKN2C*) and 1 CD138+ Low Positive for 3R2G (+*CKS1B*). The low positive CD138+ samples were contrived by using a proportion of the negative CD138+ samples and spiking this with a known positive CD138+ sample, with the aim of creating low positive samples in the range of 2-4x cut-off in order to challenge the established cut off.

To establish the inter-day and intra-day precision, the samples were evaluated over 10 non-consecutive dates and to establish the lot-to-lot precision, 3 lots of the product were evaluated on 3 replicates of the same samples. The results were presented as the overall agreement with the predicted negative class (for the negative samples).

Table 4. Reproducibility and Precision for the CKS1B/CDKN2C (P18) Amplification/Deletion Probe

Variable	Sample type	Agreement
Intra-day and inter-day precision	Normal CD138+ (negative)	100%
	CD138+ low positive 2R1G (-*CDKN2C*)	100%
	CD138+ low positive 3R2G (+*CKS1B*)	100%
Lot-to-lot precision	Normal CD138+ (negative)	100%
	CD138+ low positive 2R1G (-*CDKN2C*)	100%
	CD138+ low positive 3R2G (+*CKS1B*)	100%

Clinical Performance

To ensure that the product detects intended rearrangements, clinical performance was established over 1 study on representative samples of the intended population for the product: residual methanol/acetic acid fixed material from haematologically derived samples. The sample size for the study was 23 specimens, with the target population of 10 positive specimens for either *CKS1B* amplification or *CDKN2C* deletion, or both, and 13 negative specimens for both *CKS1B* amplification or *CDKN2C* deletion. All samples were de-identified and randomised to prevent analysis bias. The results were compared to the known status of the sample. The probe correctly identified the status of the samples in all instances.

The results of these tests were analysed in order to provide clinical sensitivity, clinical specificity and false positive rate (FPR) values for positive signals, using a one-dimensional approach.

Table 5. Clinical Performance for the CKS1B/CDKN2C (P18) Amplification/Deletion Probe, Amplification CKS1B Results

Variable	Result
Clinical Sensitivity (true positive rate, TPR)	98.71%
Clinical Specificity (true negative rate, TNR)	99.75%
False Positive rate (FPR) = 1 – Specificity	0.25%

Table 6. Clinical Performance for the CKS1B/CDKN2C (P18) Amplification/Deletion Probe, Deletion CDKN2C Results.

Variable	Result
Clinical Sensitivity (true positive rate, TPR)	100%
Clinical Specificity (true negative rate, TNR)	100%
False Positive rate (FPR) = 1 – Specificity	0%

Summary of Safety and Performance (SSP)

The SSP shall be made available to the public via the European database on medical devices (Eudamed), where it is linked to the Basic UDI-DI.
Eudamed URL: https://ec.europa.eu/tools/eudamed
Basic UDI-DI: 50558449LPH039JS

If Eudamed is not fully functional, the SSP shall be made available to the public upon request by emailing SSP@ogt.com.

Additional Information

For additional product information, please contact the CytoCell Technical Support Department.
T: +44 (0)1223 294048
E: techsupport@cytocell.com
W: www.ogt.com

References

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Symbols Glossary

EN ISO 15223-1:2021 - "Medical devices - Symbols to be used with information to be supplied by the manufacturer - Part 1: General requirements" (© International Organization for Standardization)		
Symbol	**Title**	**Reference Number(s)**
	**en:** Manufacturer	5.1.1
	**en:** Authorized representative in the European Community/European Union	5.1.2
	**en:** Use-by date	5.1.4
	**en**: Batch code	5.1.5
	**en:** Catalogue number	5.1.6
	**en:** Keep away from sunlight	5.3.2
	**en:** Temperature limit	5.3.7
	**en:** Consult instructions for use	5.4.3
 ogt.com/IFU	**en:** Consult electronic instructions for use	5.4.3
	**en:** Caution	5.4.4
	**en:** *In vitro* diagnostic medical device	5.5.1
	**en:** Contains sufficient for <n> tests	5.5.5
	**en:** Unique Device Identifier	5.7.10
EDMA symbols for IVD reagents and components, October 2009 revision		
Symbol	**Title**	**Reference Number(s)**
	**en:** Contents (or contains)	N/A

Patents and Trademarks
CytoCell is a registered trademark of Cytocell Limited.

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