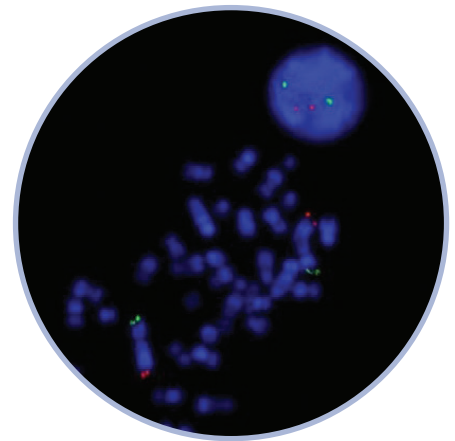
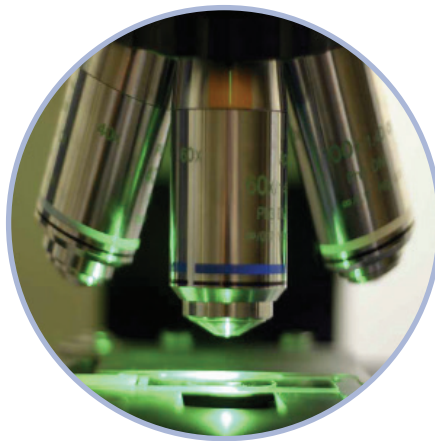


Chromoprobe Multiprobe[®] Porcine

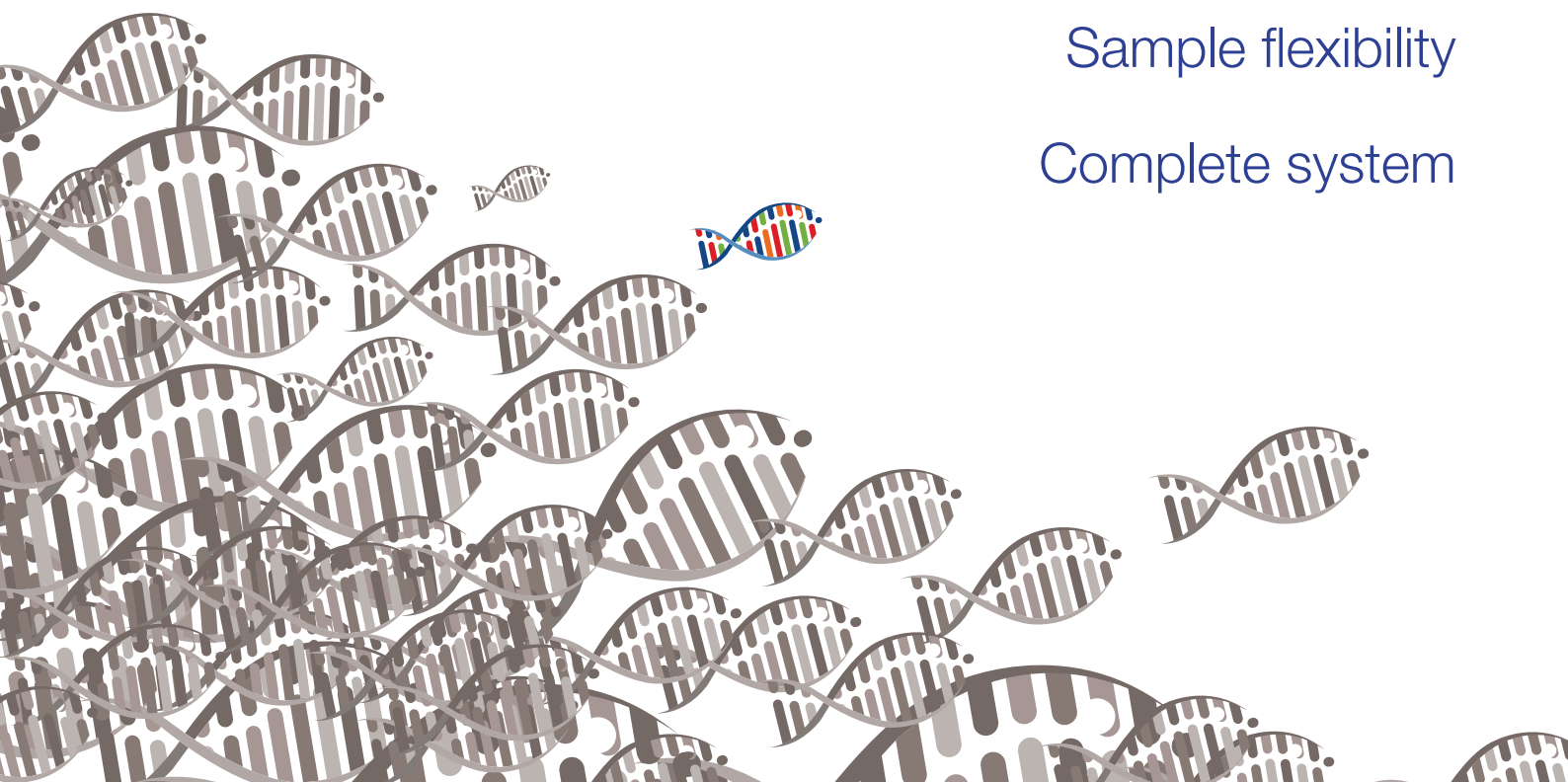


Optimised and simple protocol

Easy to use

Sample flexibility

Complete system



Chromoprobe Multiprobe Porcine

The Cytocell Chromoprobe Multiprobe Porcine is a useful tool in the pig breeding industry to identify translocations that have implications in fertility. The system allows the user to perform multiple FISH experiments on a single slide and to detect chromosomal aberrations (aneuploidy, chromosome breakage and rearrangements) present in the pig karyotype. The Chromoprobe Multiprobe Porcine utilises directly-labelled locus-specific subtelomere BAC probes, allowing the visualisation of any chromosomal aberrations under the fluorescence microscope without expert knowledge of the pig karyotype.

The Chromoprobe Multiprobe Porcine delivers:

- **Optimised and simple FISH protocol** — A simple FISH hybridisation without pepsin, RNase treatment or paraformamide fixation and wash procedure, allows simultaneous analysis of the entire genome on one slide
- **Easy to use** — Template slides with marked areas corresponding to squares of the Multiprobe device allow cell cultures to optimally contact the probes during hybridisation for high-quality results
- **Sample flexibility** — The Chromoprobe Multiprobe Porcine is developed to work with metaphase and interphase cultures prepared in standard 3:1 methanol, acetic acid fixative
- **Complete system** — The Chromoprobe Multiprobe Porcine includes all ancillary reagents required (i.e. DAPI and hybridisation mix) for straightforward processing

1pq	2pq	3pq	4pq	5pq	6pq	7pq	8pq
9pq	10pq	11pq	12pq	13pq	14pq	15pq	16pq
17pq	18pq	Xpq					

Figure 1: The Chromoprobe Multiprobe Porcine device layout. Each square of the device carries two subtelomeric BAC probes labelled in red and green fluorochromes (Texas Red®, FITC). The probes are reversibly dried on to the first 19 squares of the device using a proprietary process. FISH signals are visible with a DAPI/FITC/Texas Red® triple filter or individually through specific single filters.

“The Chromoprobe Multiprobe Porcine is in routine use in our laboratory and has allowed us to identify a cryptic translocation that is only detectable using this technology. This finding delivered significant financial implications to a large pig breeding program. Standard karyotyping tests failed to detect the rearrangement in the original testing regimen.”

Professor Darren Griffin. University of Kent, Canterbury. UK

Cytocell ZooFISH myProbes

- The Chromoprobe Multiprobe Porcine can be customised according to requirements
- Individual subtelomeres or any other specific combinations of probes can be developed as required — both as devices or in traditional liquid form
- Porcine paints 1–18 X&Y are also available as either a Multiprobe device or individually labelled (in red and green) or multicolour (red green and blue) liquid probes

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