

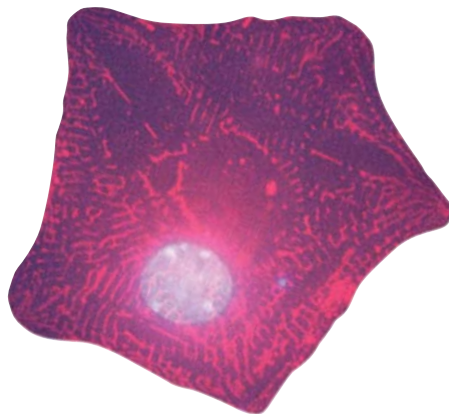
Cor.At[®]

Ready-to-use pure Cardiomyocytes

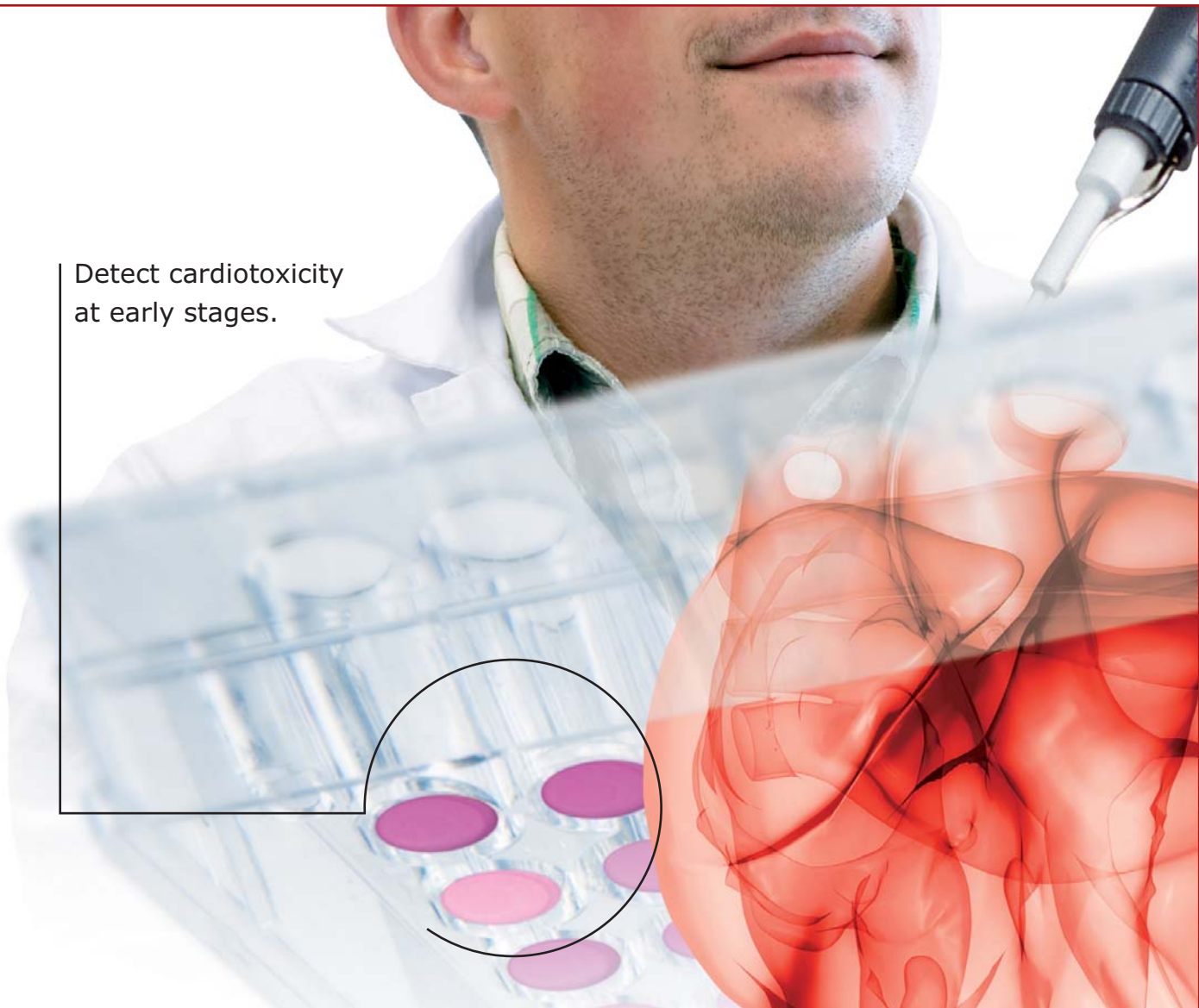
The easy way to determine cardiotoxicity

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Do you want to avoid surprises in drug safety testing?



Enforce early toxicological
screening to predict a compound's
potential myocardial toxicity!



Detect cardiotoxicity
at early stages.

Cardiotoxicology made easy

Cor.At[®]

Ready-to-use pure Cardiomyocytes

Cor.At[®] Cells

- 99.9% pure
- Standardized and reproducible
- Physiologically relevant
- Derived from mouse ES cells
- No labour-intensive cell preparation
- Suitable for HTS

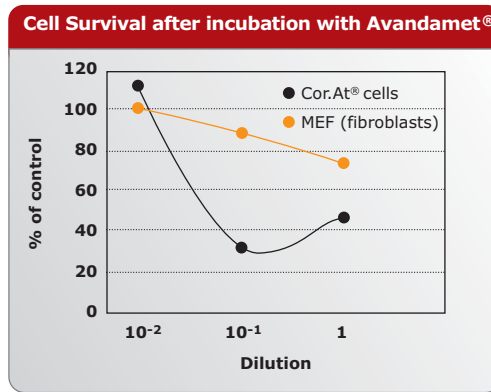
Cor.At[®] Tox

- Complete test kit for determination of cardiotoxic effects

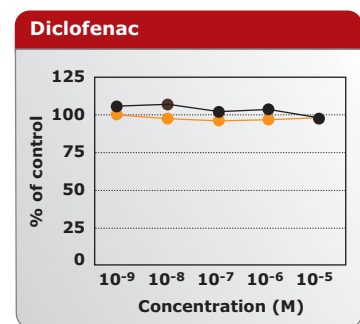
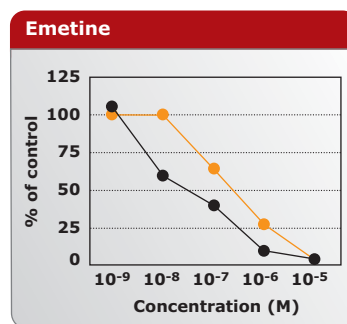
Safe and efficient tools to detect cardiotoxic effects

Spontaneously contracting cultures of ready-to-use **Cor.At® pure cardiomyocytes** provide a highly relevant *in vitro* cell system for the evaluation and prediction of a compound's cardiotoxic potential.

Compared to non-standardized and impure mixed cell populations traditionally used in cardiotoxicity assays, **Cor.At® 99.9% pure cardiomyocytes** provide a more relevant and robust system that more sensitively and accurately detects cardiotoxic activity.



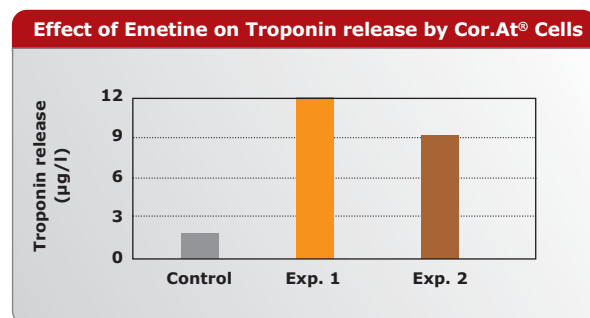
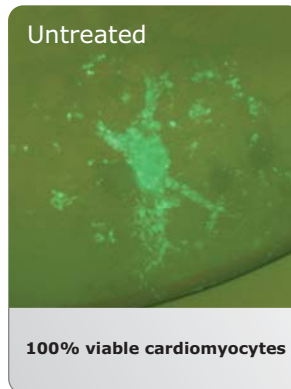
Results with Cor.At® pure cardiomyocytes and fibroblasts show a drug's specific cardiotoxicity and the ability to distinguish between cardiotoxic and non-cardiotoxic compounds.



A time and cost-effective tool for toxicity screening

Cor.AT® pure cardiomyocytes display physiological features. After incubation with test compounds, deleterious effects including loss of viability and integrity of cardiac cells can be determined using various read-outs.

- Morphological changes
- Cell viability
- Cardiac-specific Troponin



Visible effect of a known *in vivo* cardiotoxic agent, Emetine, on *in vitro* cell survival. Cor.At® pure cardiomyocytes express GFP and exhibit green fluorescence. The decrease in viable cells can be quantified by computerized evaluation of cell images.

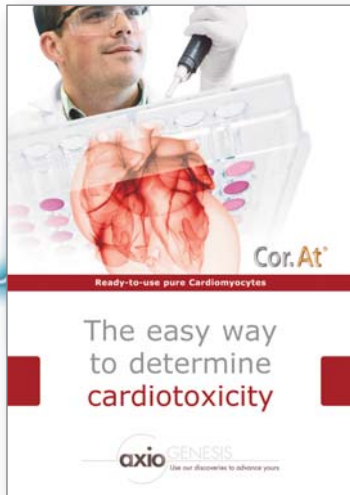
Cor.At® Tox: Complete test kit for the investigation of cardiotoxic effects.

The ready-to-use test kit includes **Cor.At® pure cardiomyocytes** seeded on a 96 well plate plus a standard detection system together with appropriate control substances.



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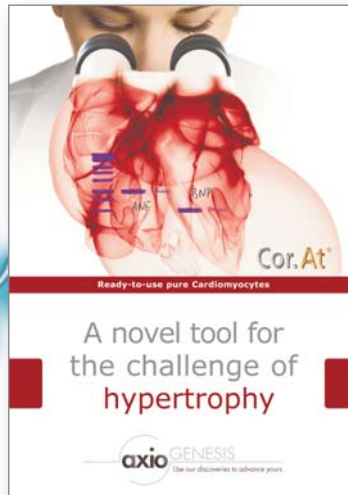
Ready-to-use pure Cardiomyocytes

Cor.At®

The easy way to determine cardiotoxicity

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■ Cardiotoxicology made easy



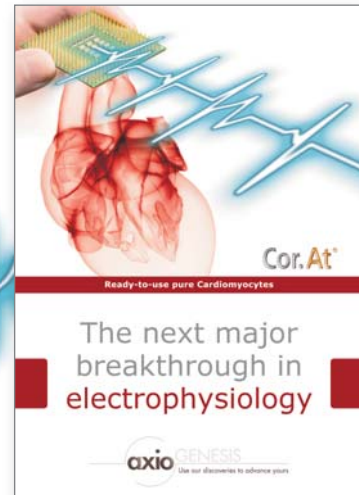
Ready-to-use pure Cardiomyocytes

Cor.At®

A novel tool for the challenge of hypertrophy

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■ *In vitro* cardiac hypertrophy made possible



Ready-to-use pure Cardiomyocytes

Cor.At®

The next major breakthrough in electrophysiology

axio GENESIS
Use our discoveries to advance yours

■ Electrophysiology made relevant

Cor.At®

Ready-to-use pure Cardiomyocytes

Cor.At® Products

Just thaw and use!

	Description	Format
Cor.At® Cells	Cor.At® Cells	96 well plate or cryo vial
Cor.At® Mod	Customized Cor.At® Cells	Cryo vial
Cor.At® Tox	Test kit	96 well plate and standards Detection system: NRU, MTT
Cor.At® Patch	Cor.At® Cells on coverslips	10 coverslips suitable for patch clamp

More information at www.corat.info or contact our distributors

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