

Cor.At[®] cardiomyocytes are 100% pure, primary-like cardiomyocytes derived from mouse ES cells.

Cor.At[®]

cardiomyocytes are reproducing an authentic cellular environment, which is fully characterized, including electrophysiology, gene analysis, and protein expression. Due to their unique properties,

Cor.At[®]

cardiomyocytes can be used for various applications and experimental set-ups within the pharma industry as well as academia.

Cor.At[®]

cardiomyocytes are available as GFP

(Cor.At GFP

) or non-GFP

(“colorless”;

Cor.At

CL) expressing cells in different formats.

Cor.At[®] cardiomyocytes express all cardiac ion channels (Na⁺, Ca²⁺, K⁺), and can be used in electrophysiology

studies to detect effects of compounds on ion channels (

e.g

· hERG

blocker effects) as well as

chronotropic

and arrhythmic effects. All common patch clamp set-ups as well as automated systems (

PatchXpress

, Patchliner

,

QPatch

) are supported to produce highly valuable and relevant data.

Cor.At

®

cardiomyocytes

are also suitable for

preclinical

assessment of cardiac

cytotoxicity

and mitochondrial toxicity, and a predictive model for drug profiling and target discovery (

e.g

. hypertrophy studies,

GPCR

effects,

siRNA

, tissue engineering).

Cor.At

®

cardiomyocytes

are compatible with all common assay systems and instrumentation, including label-free detection systems.