

# MediBeacon™

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Transdermal Mini GFR Monitor

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【小型実験動物用・非侵襲腎臓機能測定装置】

## Transdermal mini GFR Monitor

簡便

コンパクト

非侵襲

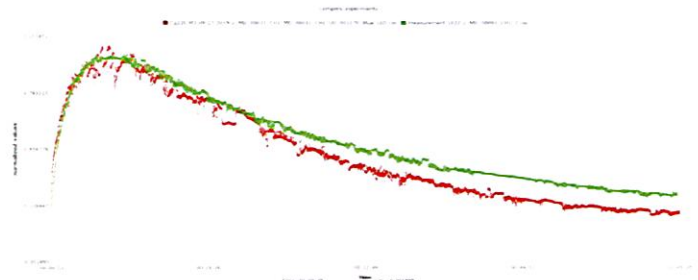


### マウス・ラットの腎機能を測定する前臨床研究用の装置です。

- ✓ マウス・ラットの背中に装置を貼り付け、糸球体濾過量（GFR）で表される腎臓の排泄機能を測定できます。
- ✓ 従来のイヌリンクリアランス法とは異なり、採血や採尿、分析機器は必要ありません。
- ✓ 経皮的なFITCの蛍光検出により、非侵襲的にGFRを算出可能です。
- ✓ 腎臓機能の測定や基礎データの取得だけでなく、腎臓毒性の評価、新規薬剤候補の探索にお使いいただけます。
- ✓ 解析ソフトウェアMB Studioの機能が向上しました。

- 評価アルゴリズムの改善によりデータ精度が向上
- 6種類のアプローチで解析可能
- 波形の比較表示機能追加
- GFRの算出機能追加

波形比較表示機能



## 製品仕様

- 検出器：10 × 11.5 × 5.5 (mm) / 530 mg
- バッテリー：12 × 12 × 2 (mm) / 612 mg
- 蛍光色素を励起させる発光ダイオードと励起光検出用フォトダイオード搭載
- 検出器内に記憶メモリー搭載
- 実験終了後、測定データをPCに転送（転送用ソフトウェア付属）
- GFRの算出に必要な解析ソフトウェア（MB Studio・別売）  
※PCは別途ご用意ください（Windows 7以降・64bit以上）

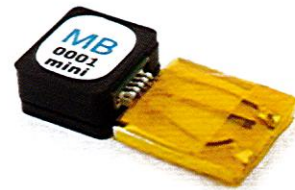


写真:検出器+バッテリー

## 実験操作概要

- ① 本体を専用パッチでマウス・ラットの背中に装着。
- ② FITC-Sinistrinを尾静脈投与。
- ③ 測定データを取得、その後データをPCに転送、保存。
- ④ 解析ソフトウェアでGFRを算出。



\*この操作が実験の成功のためのポイントです。

## Transdermal mini GFR Monitor 一式

製品一式（専用パッチは選択式） ¥1,542,000

アズワン 品番	型番	商品名	概要	入数	定価(税抜)
89-7173-13	TDM-MD004	Transdermal mini GFR Monitor	マウス・ラット用蛍光検出器	1個	¥650,000
89-7173-14	PWR-SB002	USB Dual Battery Charger	蛍光検出器専用 バッテリーチャージャー	1個	¥30,000
89-7173-15	APT-UA001	UART to USB Adapter incl. Cable	専用UART-USBアダプターケーブル	1個	¥15,000
89-7173-16	PWR-BT002	Rechargeable Battery 12×12 mm	蛍光検出器専用バッテリー	3個/袋	¥35,000
89-4933-18	PTC-SM001	Small Patch 3×3 cm	専用パッチ（小サイズ/マウス用）	100枚/袋	¥52,000
89-4933-19	PTC-LG001	Large Patch 3×6 cm	専用パッチ（大サイズ/ラット用）	100枚/袋	¥52,000
89-4933-20	SWR-ST001	MB Studio Software	解析ソフトウェア	1本	¥550,000
89-5266-63	FTC-FS001	FITC-Sinistrin	FITC標識済シニストリン	1 g	¥210,000

## MediBeacon社 について

MediBeacon社は、アメリカ・ドイツに拠点を置くライフサイエンス向けの企業です。生理学的モニタリング、外科的誘導、および病理学的疾患のイメージングのための独自の光学診断システムを開発しています。開発されたMediBeacon製品は、腎機能評価だけでなく、様々な前臨床研究、新規および既存の治療薬の腎毒性評価・研究、新規の化学薬品・医薬品開発の研究などに応用されています。

お問合せ先： **アズワン株式会社**

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