

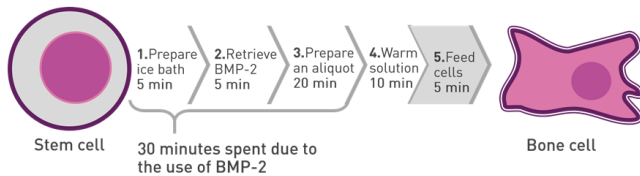


Orteodirect

growing bone for you

Problem

Bone cell production today is a tedious and repetitive process.



Market

Total Available Market

Orthopaedic implants & bone graft international market.

Serviceable Available Market

Industry and academic research in differentiation and cell-based solutions for OI & BG

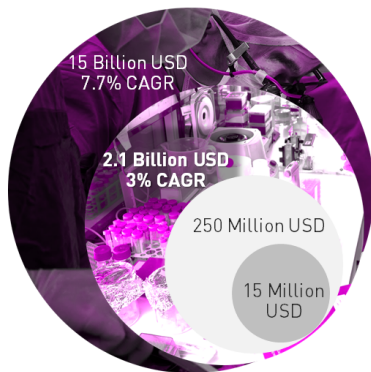
SOM

5 year target

10% of osteogenic differentiation market

12 year target

1% of bone implant market
35% of osteogenic differentiation market



Differentiation



Our Team

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MScE Physics & Nanotechnology.

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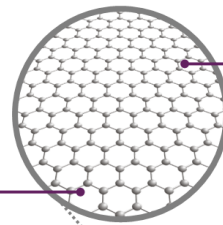
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Solution

Patented surface coating

PCT/SG2011/000247

Eliminates the need for BMP-2



Growth on site

First of its kind to coat on site and on irregular surfaces

3x

- Simplify current protocols
- **Increase bone tissue production output by 3x**
- Minimize sources of error or contamination.



Customers

Universities



Kyushu University
Faculty of Dental Science



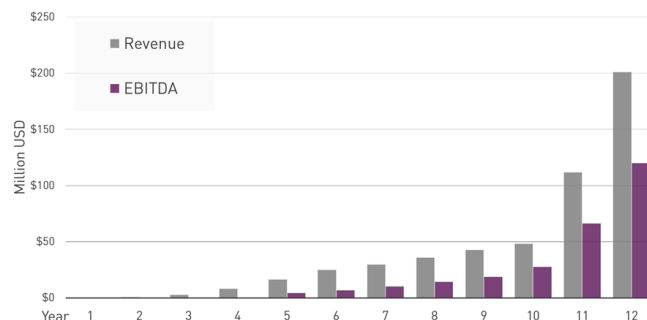
Bone Healing Industry



Bone Graft and Implant Industry



Financial projections



| Year | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------------|---|---|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| Wellplates | - | 3 | 12 | 36 | 72 | 108 | 130 | 156 | 187 | 205 | 226 | 248 |
| Bone Implants | - | - | - | - | - | - | - | - | - | 0 | 20 | 48 |

Projected units in thousands

Year 1-5:

- Expanding well plate sales and graphene production
- Market share: **10% in year 5**

Year 5:

- Break-even

Year 6-9:

- Growth of well plate sales Market share: **25% in year 9**

Year 9-12:

- Approval of implants rapidly increases revenue
- Implant market share: **1% in year 12**