**List of Unilateral Magnets in MRI Lab**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **B0(G)** | **F0 (MHz)** | **Gradient**  **(G/cm)** | **Quantity** | **Size of magnets** | **Remarks** |  |
| AP1 | 869 | 3.7 | - | 1 | 150x50x30 2  150x50x20 2 | Magnet array with ferromagnetic pole and B0 parallel to the surface |  |
| AP2 | 1006 | 4.26 | 39 | 1 | 150x50x30 2  150x50x20 2 | Magnet array with ferromagnetic pole and B0 perpendicular to the surface |  |
| CP1 | 1672 | 7.12 | - | 2 | 115(D)x50 1 | Cylindrical magnet with ferromagnetic pole and B0 perpendicular to the surface |  |
| CP2 | 2278 | 9.7 | 250 | 1 | 115(D)x50 1 | Cylindrical magnet with ferromagnetic pole and B0 perpendicular to the surface and additional piece of ferromagnetic material was added at the bottom |  |
| BA1 | 1092 | 4.65 | - | 1 | 100x50x30 2  100x50x20 1 | Original three magnet array, B0 parallel to the surface. |  |
| BA2 | 1045 | 4.45 | - | 1 | 100x50x30 2  100x50x20 1 | Magnet array similar to BA1 but with the probe tuned for use with aerospace composites | **Windsor University** |
| SA1 | 763 | 3.25 | - | 1 | 60x30x18 2  60x30x12 1 | Handheld three magnet array with B0 parallel to the surface |  |
| SA2 | 560 | 2.38 | - | 1 | 50x25x18 2  50x25x12 1 | Handheld three magnet array with B0 parallel to the surface |  |
| SA3 | 740 | 3.15 | - | 1 | 50x25x18 2  50x25x12 1 | Handheld three magnet array with B0 parallel to the surface |  |
| WA1 | 534 | 2.273 | - | 1 | 100x50x30 4  100x50x30 2 | Three magnet array for core plug analysis. | **UC Davis**  **USA** |
| WA2 | 587 | 2.5 | 60 | 1 | 100x50x30 4  100x50x30 2 | Three magnet array for core plug analysis with extended constant gradient. | **Saudi Aranco** |
| BA11-1 | 1105 | 4.705 | - | 1 | 100x50x30 2  100x50x20 1 | Three magnet array with ferromagnetic spacers. | **Santiago de Cuba** |
| BA11-2 | 1047 | 4.46 | - | 1 | 100x50x30 2  100x50x20 1 | Three magnet array with fiberglass spacers. |  |
| BA11-3 | 1282 | 5.46 | 254 | 1 | 100x50x30 2  100x50x20 1 | Three magnet array with extended constant gradient and ferromagnetic spacers. |  |
| BA11-4 | 1060 | 4.513 | - | 1 | 100x50x30 2  100x50x20 1 | Three magnet array with fiberglass spacers. | **UC Davis**  **USA** |
| RA10-1 | 1135 | 4.83 | - | 1 | 100x50x30 2  100x50x20 1 | Three magnet array with ferromagnetic spacers. |  |
| RA10-2 | 1089 | 4.64 | - | 1 | 100x50x30 2  100x50x20 1 | Three magnet array with ferromagnetic spacers. | MEXICO |

July 15th, 2019

**List of Unilateral Magnets with Pictures**

|  |  |  |
| --- | --- | --- |
| **Name** |  |  |
| AP1 |  |  |
| AP2 |  |  |
| CP1 |  |  |
| CP2 |  |  |
| BA1 |  |  |
| BA2 | **Windsor University** |  |
| SA1 |  |  |
| SA2 |  |  |
| SA3 |  |  |
| WA1 | **UC Davis**  **USA** |  |
| WA2 | **Saudi Aranco** |  |
| BA11-1 | **Santiago de Cuba** |  |
| BA11-2 |  |  |
| BA11-3 |  |  |
| BA11-4 | **UC Davis**  **USA** |  |
| RA10-1 |  |  |
| RA10-2 | MEXICO |  |
| TCA-1 |  |  |
| TCA-2 |  |  |
| TWA |  |  |

July 15th, 2019

**The list of the block magnet in the Lab**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Dimensions (mm) | Room | Quantity | Notes |
| 1 | 150x50x30 | 119 | 10 | In three separated boxes |
| 2 | 150x50x20 | 112 | 10 | In two separated boxes |
| 3 | 150x50x10 | 119 | 10 |  |
| 4 | 150x30x30 | 112 | 10 | In two separated boxes |
| 5 | 150x30x20 | 119 | 10 |  |
| 6 | 150x30x10 | 119 | 10 |  |
| 7 | 100x50x10 | 119 | 10 |  |
| 8 | 100x50x30 | 112 | 4 | separated in wooden boxes below the counter |
| 9 | 100x50x20 | 112 | 2 |
| 10 | 50x25x25 | 112 | 3 | cardboard box, top shelf  Both in the same box |
| 11 | 50x25x12 | 112 | 4 |
| 12 | 50x25x18 | 112 | 14 | Big black box |
| 13 | 115(Diameter)x50 | 112 | 1 | Big black box  Both in the same box |
| 14 | 25(Diameter)x18 | 112 | 35 |
| 15 | 20(Diameter)x18 | 112 | 15 | cardboard box, top shelf |

July 4th, 2020