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| **General Information**  |
| **Device Name & Number**  | OS01-99: OncoSil ™ Calibration System |  | **Facility / Hospital Name**  |  |
| **Device Batch Number** |  | **Ion Chamber Identification****(e.g.: Make, Model and Location)** |  |
| **Date of Receipt / Delivery****(dd/mmm/yyyy)** |  |  |
| **Activity Quoted on the Calibration Certificate (XXX.X MBq at 12:00 CET/CEST). Attach a copy to this form** |  |  | **Date and Time of this Calibration****(dd/mmm/yyyy, hh:mm – 24 hours)** |  |
| **Reference Date on the Certificate****(dd/mmm/yyyy)** |  |  | **OncoSil™ Preparation Start and Finish Times (hh:mm- 24hrs)** |  |
| **Is this a recalibration (if yes write the current ion chamber factor here)** | **YES** [ ]  **NO** [ ]  |  | **OncoSil™ Preparation Total Time****(Start - Finish)**  |  |

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| **Determination of the Calibration Dose Activity at the Time of Measurement**  |
| 1. **Time Zone for Measurement Location**

**(e.g. EDT or EDST)** |  |  | 1. **Therefore Time Difference (Days/ Hours) between Local Reference Time and Local Time of Measurement**
 |  |
| 1. **Relative Time Difference (hours) Currently between the Local Time and CET (CEST)**
 |  |  | 1. **Decay Factor Obtained from Tables for the Time difference between Local Reference and Time of Measurement**
 |  |
| 1. **Local Time Equivalent of Reference Time (CET/CEST + Relative Time Difference)**
 |  |  | 1. **Corrected Calibration Certificate Activity that the ion chamber will be adjusted to Reached (Calibration certificate Activity x Decay Factor)**
 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_MBq**or** \_\_\_\_\_\_\_\_\_\_\_\_\_mCi (see factor tables for conversion) |

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| **Record of Measurements and Calculations for Initial Calibration Dose Dilution – Ionisation Chamber Calibration**  |
| **Background** **(If applicable)** | **Background Corrected Measurement 1** **(4 significant figure MBq or mCi)** | **Background Corrected Measurement 2** **(4 significant figure MBq or mCi)** | **Background Corrected Measurement 3****(4 significant figure MBq or mCi)** | **Average Background Corrected Measurement** **(4 significant figure MBq or mCi)** |
|  |  |  |  |  |
| **Calculate the Relative Difference between the Average Measured Value and the Decay Corrected Certificate Value using**  |  | **Note:****% Diff < ±5%: ion chamber adjustment is not required.****% Diff > ±5%: ion chamber factor should be adjusted.**  |
| $$\% Diff=\frac{\left(Average measured-Corrected Certificate\right)}{Corrected Certificate}×100$$ |

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| **Ion Chamber Calibration Factor Record**  |
| **32P Calibration Factor before Reading OncoSil™ Calibration Suspension** |  |  | **Adjusted 32P Calibration Factor after Reading OncoSil™ Calibration Suspension** |  |

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| **Confirmation of Calibration Measure** |
| **Confirmation Activity Measurement – Record the value of the post-adjustment measurement.**  |  | **If the Calibration was unsuccessful, please contact OncoSil Medical** |
| **Is the measured value within ±5% of the expected value per certificate?** | [ ]  **YES Proceed with next step** [ ]  **NO Contact OncoSil Medical** |

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| **Second Dilution - Confirmation of the Time of Measurement****(NOTE: these steps are optional for a recalibration exercise** |
| **Time (hh/mm) Diluted Dose Measured** |  |  | **Is the time of the Diluted Vial measurement withing 1 hour of the Calibration Vial measurement** | **Yes/No. If No get a New Factor (NF) - see note****NF =**  |

*Note: If the measurement of the diluted vial is within 1 hour of the calibration vial the same correction factor can be used.*

***If the time is extended past 1 hour a decay factor from Tables in page 3 & 4 will be required to correct the Confirmation Activity Measurement***

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| **Record of Measurements and Calculations for Vial 2 – Ion Chamber Calibration**  |
| **Background** **(If applicable)** | **Background Corrected Measurement 1****(4 significant figure MBq or mCi)** | **Background Corrected Measurement 2****(4 significant figure MBq or mCi)** | **Background Corrected Measurement 3****(4 significant figure MBq or mCi)** | **Average Background corrected Measurement** **(4 significant figure MBq or mCi)** |
|  |  |  |  |  |

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| **Confirmation of Linearity of Calibration** |
| **Calculate the Expected diluted value**$$\begin{array}{c}Expected\\Activity\end{array}\_{MBq/mCi}=\begin{array}{c}Confirmation Activity\\Measurement\end{array}\_{MBq/mCi}×\frac{1.7}{7}×NF\_{if applicable}$$ |  |  | **Is the Average Corrected Measurement within ±10% of the expected diluted value?** | [ ]  **YES Calibration completed**[ ]  **NO Contact OncoSil Medical** |

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| **Conducted By:** |  |  |  |
| ***Name (BLOCK LETTERS)***  | ***Signature*** | ***Date (DD MM YYYY)*** |
| **Checked By:** |  |  |  |
| ***Name (BLOCK LETTERS)*** | ***Signature*** | ***Date (DD MM YYYY)*** |

**[*Once complete, forward this form to OncoSil Medical customer service by email (******orders@oncosil.com.au******) or fax (+61 2 9252 3988)*]**



NOTE:- to convert the activity in MBq to mCi divide all MBq figures by 37. Therefore 250 MBq = 6.757 mCi.



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